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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

GLEN A. OROSS

HP Docket No. 200308977-1

Serial No. : 10/616,677

Examiner R. Blackman

Filed : July 8, 2003

Group Art Unit 2851

For : DIGITAL PROJECTOR ACCESS PANEL

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

DECLARATION UNDER 37 C.F.R. § 1.131

I declare as follows:

1. I am the inventor who, on July 8, 2003, filed the above-identified application. At the time of such invention, I was an employee of Hewlett-Packard Development Company, L.P.

2. Prior to January 31, 2003, the filing date of the application from which U.S. Patent Application Publication No. 2003/0151922 A1 published, I conceived of my invention, and reduced my invention to practice, as demonstrated by HP Disclosure No. 200308977, a redacted copy of which is attached as Exhibit 1.

3. HP Invention Disclosure No. 200308977 (Exhibit 1) is dated January 9, 2003. HP Invention Disclosure No. 200308977 was completed prior to January 31, 2003, the filing date of U.S. Patent Application Publication No. 2003/0151922 A1.

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4. Exhibit 1 demonstrates my conception of a digital projector configured to mount to a ceiling, wherein the digital projector includes a projector housing and a manually openable panel that provides access to the interior of the projector housing, where the panel remains associated with the projector housing while open, and wherein the digital projector is configured so that the panel is accessible when the digital projector is mounted to the ceiling.

5. Exhibit 1 also demonstrates my conception of a method of making a digital projector, which includes: providing a projector housing; providing a projector access panel; connecting the access panel to the projector housing, so that the access panel remains associated with the projector housing while open; configuring the access panel to be manually openable; and configuring the access panel to be accessible when the digital projector is mounted to a ceiling.

6. Exhibit 1 also demonstrates my conception of a method of changing a lamp in a digital projector, where the digital projector includes a manually openable panel that provides access to the lamp, and that remains associated with the projector while open, and where the digital projector is mounted to a ceiling, the method including: manually opening the panel; removing a lamp module from the projector; removing the lamp from the lamp module; inserting a replacement lamp in the lamp module; and inserting the lamp module in the projector.

7. Exhibit 1 also demonstrates my conception of a method of upgrading a digital projector, where the digital projector includes a manually openable panel that provides access to a projector component that is a control panel module, where the panel remains associated with the projector while open, the method including: manually opening the panel; and upgrading the control panel module; where

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upgrading the component includes removing the component and inserting a replacement component.

8. Exhibit 1 also demonstrates my conception of a digital projector, including means for projecting an image, means for housing the projecting means, and means for providing access to the interior of the housing means, where the means for providing access is manually operable and remains associated with the housing means, and is accessible when the digital projector is mounted to a ceiling.

9. Following my conception prior to January 9, 2003, I diligently worked toward creation of a commercial implementation of my invention. Such commercial implementation was constructed by Hewlett-Packard Development Company, L.P. in 2003. The present patent application was filed on July 8, 2003.

10. All acts set forth herein and/or relied upon for the purpose of establishing invention prior to January 31, 2003 were carried out in the United States.

11. I declare that all statements made herein of my knowledge are true and all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under § 1001 of Title 18 of the United States Code. I understand that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date:

12-15-04


Glen A. Cross

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**Disclosure No. 200308977**
Invention Disclosure - DBI Document No. 6BKPPD No.
200308977Date Received
1/9/03Collection
IPG

The information contained in this document is HP CONFIDENTIAL and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.

General Information

Title Projector Access Door**Abstract** A door that the user can easily open for servicing the projector or to access replaceable components inside the projector.**Projects** Candela

Attachments

Attachments 1 projector-cover.pdf - [REDACTED] access door sketch (Uploaded by Glen Cross)

Description of Invention

Problems Solved With current projectors the user must unscrew a number of screws to access the bulb for replacement. To do any other service to the projector the technician must remove case parts to access components. These two tasks are very difficult when a projector is mounted on the ceiling. The above-mentioned tasks also force the user to use tools he or she may not have at their disposal.**Prior Solutions** Screw off covers**Description** A cover or lid with hinge on the top surface of the projector that opens and closes using a slide latch or push button mechanism. The door would swing open allowing the use to access the components in side the projector such as the bulb or replacement modules. When the projector is mounted on the ceiling the user can pull the door down and easily install a new bulb. Instruction could be printed inside the door to provide direction for service**Advantages**

- Easy access to bulb for bulb replacement and warranty verification
- Easy access to smart modules or other upgradeable components
- Easier maintenance for audio video dealer and service people
- Instruction under the access door resulting in less service calls
- No frustration for the user to replace the bulb

Invention History

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Exhibit 1

Bult Yes - 12/12/02



Inventor Information

Inventors Glen Cross Hewlett-Packard Company Corvallis



Witnesses

Witnesses Dave Smith Hewlett-Packard Company Corvallis

Dennis R Esterberg Hewlett-Packard Company Corvallis



Classification

Recommended Classification IPG: Emerging Technologies: Display Technology

Keywords Digital Projector



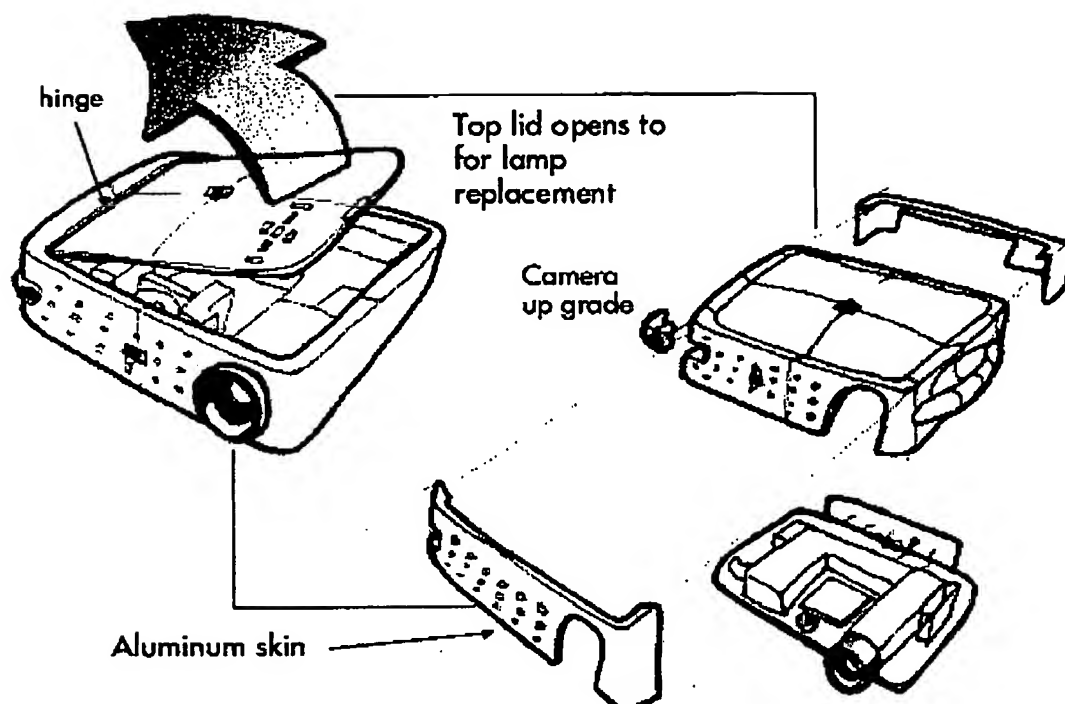
Administrative Record

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Legal



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